





Containerized Air Cooling ESS VE-1M



Features

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|  SAFE AND RELIABLE <ul style="list-style-type: none">■ Approved industry certification of Cell pass test by UL/IEC■ Multi-level design for fire control■ Built-in early warning detection system■ IP 54 rating for enclosure |  EFFICIENT AND DURABLE <ul style="list-style-type: none">■ Industry leading LFP cell technology up to 10,000 cycles with high thermal stability■ Modular battery and cooling equipment are designed for better temperature control |
|  ENHANCED MONITORING CONTROL <ul style="list-style-type: none">■ Integrated performance control for local and remote monitoring.■ Data logging for component level status monitoring.■ Real-time system operation analysis on terminal screen. |  SMART AND SCALABLE <ul style="list-style-type: none">■ Modular design supports ease of installation, expansion, and maintenance■ ESS self-diagnosis and healing function■ Supports remote maintenance and upgrades |

TECHNICAL SHEETS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Battery Parameters	
Cell Type	LFP 3.2 V/ 280 Ah
Configuration	1P224S*5
Nominal Capacity	1MWh
Rated DC Voltage	716.8 Vdc
DC Voltage Range	627.2V~806.4V
BMS Communication Interface	Ethernet
AC Parameters	
AC Nominal Power	500kVA
THDi	<3%(rated power)
DC Component	<0.5%
Rated Grid Voltage	400 Vac, 3W+N+PE
Grid Voltage Range	-20%~+15%
Power Factor	>0.99
Adjustable Power Factor	-1(leading)~+1(lagging)
Operating Grid Frequency	50/60Hz
Grid Frequency Range	± 5 Hz
Isolation Type	Isolated
Basic Parameters	
Enclosure Dimensions (W*H*D)	6058*2591*2438 mm
Weight	~18 T
Enclosure IP Rating	IP54
Operating Temperature	-30℃~+50℃
Relative Humidity	0~95%, non-condensing
Max. Altitude (above sea level)	2000m(>3000m derating)
Battery Cooling Mode	HVAC and Air cooling
PCS Cooling Mode	Intelligent forced air cooling
Fire Suppression System	Aerosol, combustible gas detection & exhaust, water fire-fighting(optional)
Communication Interface	RS485, Ethernet, CAN
Communication Protocol	Modbus TCP, Modbus RTU, CAN2.0
Standard & Certification	IEC 62619, IEC 61000, IEC 63056, UN38.3, MSDS, RoHS, IEC 62477

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